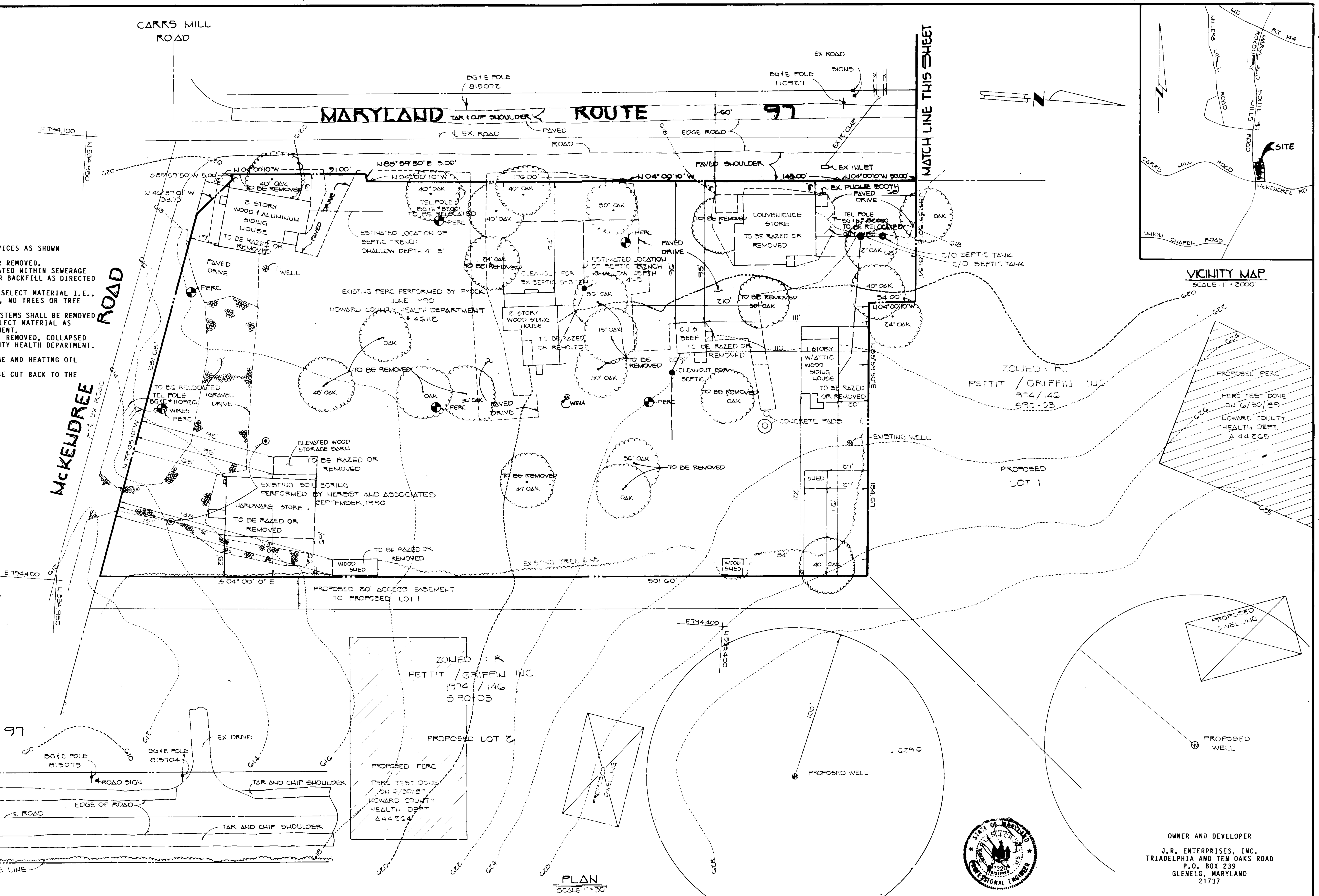
GENERAL NOTES: DEMOLITION PLAN

1. OBTAIN GRADING PERMIT.
2. INSTALL SEDIMENT AND EROSION CONTROL DEVICES AS SHOWN ON SHEET 3.
3. ALL STRUCTURES ON SITE SHALL BE RAZED OR REMOVED.
4. FOUNDATIONS OF EXISTING STRUCTURES, LOCATED WITHIN SEWERAGE DISPOSAL EASEMENT SHALL BE REMOVED AND OR BACKFILL AS DIRECTED BY THE HOWARD COUNTY HEALTH DEPARTMENT.
5. EACH FOUNDATION SHALL BE BACKFILL WITH SELECT MATERIAL I.E., NO ROCK, NO CONSTRUCTION MATERIAL WASTE, NO TREES OR TREE STUMPS.
6. ALL EXISTING PRIVATE SEWERAGE DISPOSAL SYSTEMS SHALL BE REMOVED AND OR COLLAPSED AND BACKFILLED WITH SELECT MATERIAL AS DIRECTED BY HOWARD COUNTY HEALTH DEPARTMENT.
7. ALL EXISTING WELLS ARE TO BE BACKFILLED, REMOVED, COLLAPSED AND OR CAPPED AS DIRECTED BY HOWARD COUNTY HEALTH DEPARTMENT.
8. ALL PAVED AREAS ARE TO BE REMOVED.
9. ALL UNDERGROUND LINES FOR WATER, SEWERAGE AND HEATING OIL SHALL BE REMOVED.
10. ALL ELECTRIC AND TELEPHONE LINES SHALL BE CUT BACK TO THE UTILITY POLES.



OWNER AND DEVELOPER

J.R. ENTERPRISES, INC.
TRIADELPHIA AND TEN OAKS ROAD
P.O. BOX 239
GLENELG, MARYLAND
21737

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERS & LAND SURVEYORS
SUITE 100, 9171 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21043
(301) 461-2855

ENGINEER'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

SIGNATURE OF ENGINEER 10/17/91 DATE

DEVELOPER'S CERTIFICATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ONSITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."

Ronald L. Eyre 9-19-91
SIGNATURE OF DEVELOPER DATE

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

U.S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
APPROVED:

DISTRICT DATE
HOWARD SOIL CONSERVATION DISTRICT

APPROVED: DEPT. OF PLANNING AND ZONING

PLANNING DIRECTOR 1/31/92 DATE

CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT 1/30/92 DATE

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PRIVATE WATER AND SEWERAGE SYSTEMS

HEALTH OFFICER 1.23.92 DATE

APPROVED: DEPARTMENT OF PUBLIC WORKS. FOR PRIVATE WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.

DIRECTOR, PUBLIC WORKS 10/30/91 DATE

CHIEF, BUREAU OF ENGINEERING 4/24/92 DATE

PROPERTY/SUBDIVISION				SECTION/AREA	PARCEL
INWOOD VILLAGE CENTER				—	A
PLAT NO. 5906	BLOCK NO. 11	ZONE B-1	TAX/ZONE 14	ELEC. DIST. 4	CENSUS TR. 6040
WATER CODE —			SEWER CODE —		

SITE DEVELOPMENT PLAN
EXISTING IMPROVEMENTS AND DEMOLITION PLAN
INWOOD VILLAGE CENTER
RETAIL STORES
FOURTH ELECTION DISTICT
HOWARD COUNTY MARYLAND
TAX MAP 14 BLOCK 11 PARCEL A
DATE: OCTOBER 17, 1991

SHEET 1 OF 7

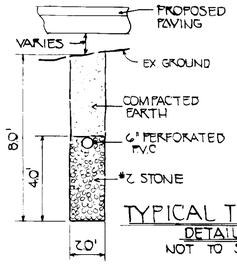
SDP-91-60

1. THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT AS REQUIRED BY THE MARYLAND STATE DEPT OF HEALTH AND MENTAL HYGIENE FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO A PRIVATE SEWAGE EASEMENT. RECORDATION OF MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.

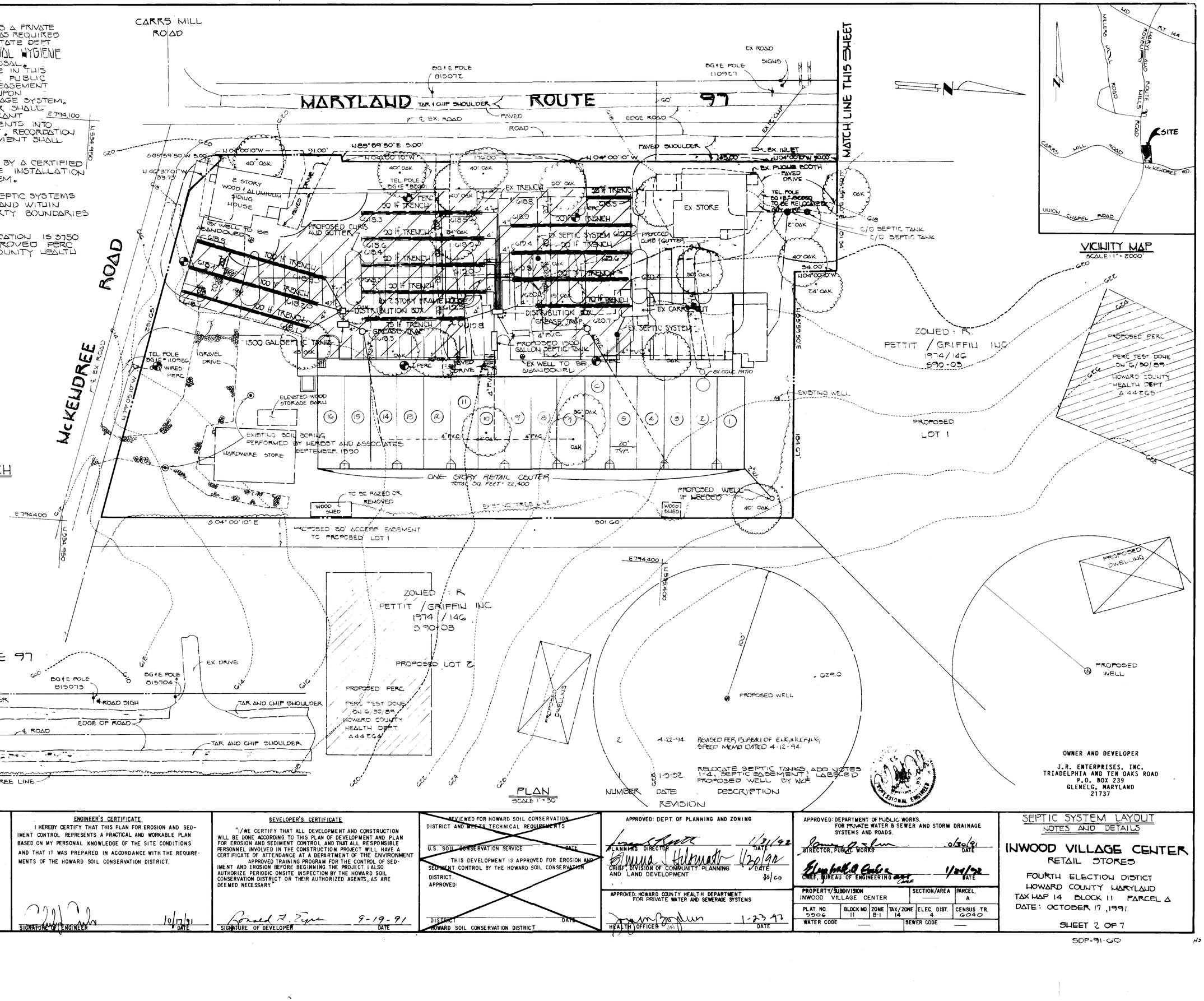
2. WELLS WILL BE ABANDONED BY A CERTIFIED WELL DRILLER PRIOR TO THE INSTALLATION OF THE PROPOSED SEPTIC SYSTEM.

3. ALL EXISTING WELLS AND SEPTIC SYSTEMS ON THE SUBJECT PROPERTY AND WITHIN 100 FEET OF SUBJECT PROPERTY BOUNDARIES HAVE BEEN SHOWN.

4. MAX SEWAGE DESIGN FLOW ALLOCATION IS 3750 GALLONS PER DAY. SEE APPROVED PERC CERTIFICATION SIGNED BY COUNTY HEALTH OFFICER APRIL 2, 1991.



TYPICAL TRENCH DETAIL
NOT TO SCALE



VICINITY MAP
SCALE: 1" = 2000'

PLAN
SCALE 1" = 30'

NUMBER	DATE	REVISION DESCRIPTION
2	4-22-94	REVISED PER BUREAU OF ENGINEERING SPEED MEMO DATED 4-12-94
1	1-3-92	RELOCATE SEPTIC TANKS, ADD NOTES 1-4, SEPTIC EASEMENT LABELED PROPOSED WELL BY WLF

OWNER AND DEVELOPER

J.R. ENTERPRISES, INC.
TRIADELPHIA AND TEN OAKS ROAD
P.O. BOX 239
GLENELG, MARYLAND
21737

FISHER, COLLINS & CARTER, INC.
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(301) 461-2855

ENGINEER'S CERTIFICATE

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SIGNATURE OF ENGINEER — DATE 10/17/91

DEVELOPER'S CERTIFICATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ONSITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."

SIGNATURE OF DEVELOPER — DATE 9-19-91

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

U.S. SOIL CONSERVATION SERVICE — DATE

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

APPROVED:

DISTRICT — DATE
HOWARD SOIL CONSERVATION DISTRICT

APPROVED: DEPT OF PLANNING AND ZONING

PLANNING DIRECTOR — DATE 1/31/92

CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT — DATE 1/30/92

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PRIVATE WATER AND SEWERAGE SYSTEMS

HEALTH OFFICER — DATE 1-23-92

APPROVED: DEPARTMENT OF PUBLIC WORKS. FOR PRIVATE WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.

DIRECTOR, PUBLIC WORKS — DATE 1/30/92

CHIEF, BUREAU OF ENGINEERING — DATE 1/24/92

PROPERTY/SUBDIVISION			SECTION/AREA	PARCEL
INWOOD VILLAGE CENTER				A
PLAT NO. 5506	BLOCK NO. 11	ZONE B-1	TAX/ZONE 14	ELEC. DIST. 4	CENSUS TR. 6040
WATER CODE —			SEWER CODE —	

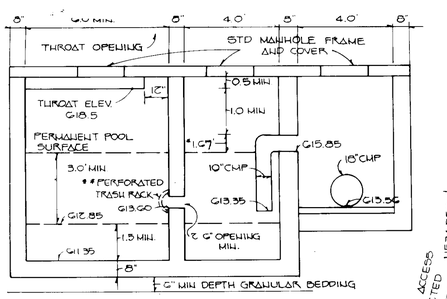
SEPTIC SYSTEM LAYOUT
NOTES AND DETAILS

INWOOD VILLAGE CENTER
RETAIL STORES

FOURTH ELECTION DISTICT
HOWARD COUNTY MARYLAND
TAX MAP 14 BLOCK 11 PARCEL A
DATE: OCTOBER 17, 1991

SHEET 2 OF 7

SDP-91-60



** OIL STORAGE REQUIRED

* HEAD TO PASS 10 YEAR DISCHARGE THRU PIPE (3.40 C.F.S.)
200 CUBIC FEET PER ONE ACRE OF IMPERVIOUS DRAINAGE AREA (NEGLECT ROOF SURFACES)

WATER QUALITY STRUCTURE

SCALE HOR. 1" = 3'
VERT 1" = 3' (I-2)

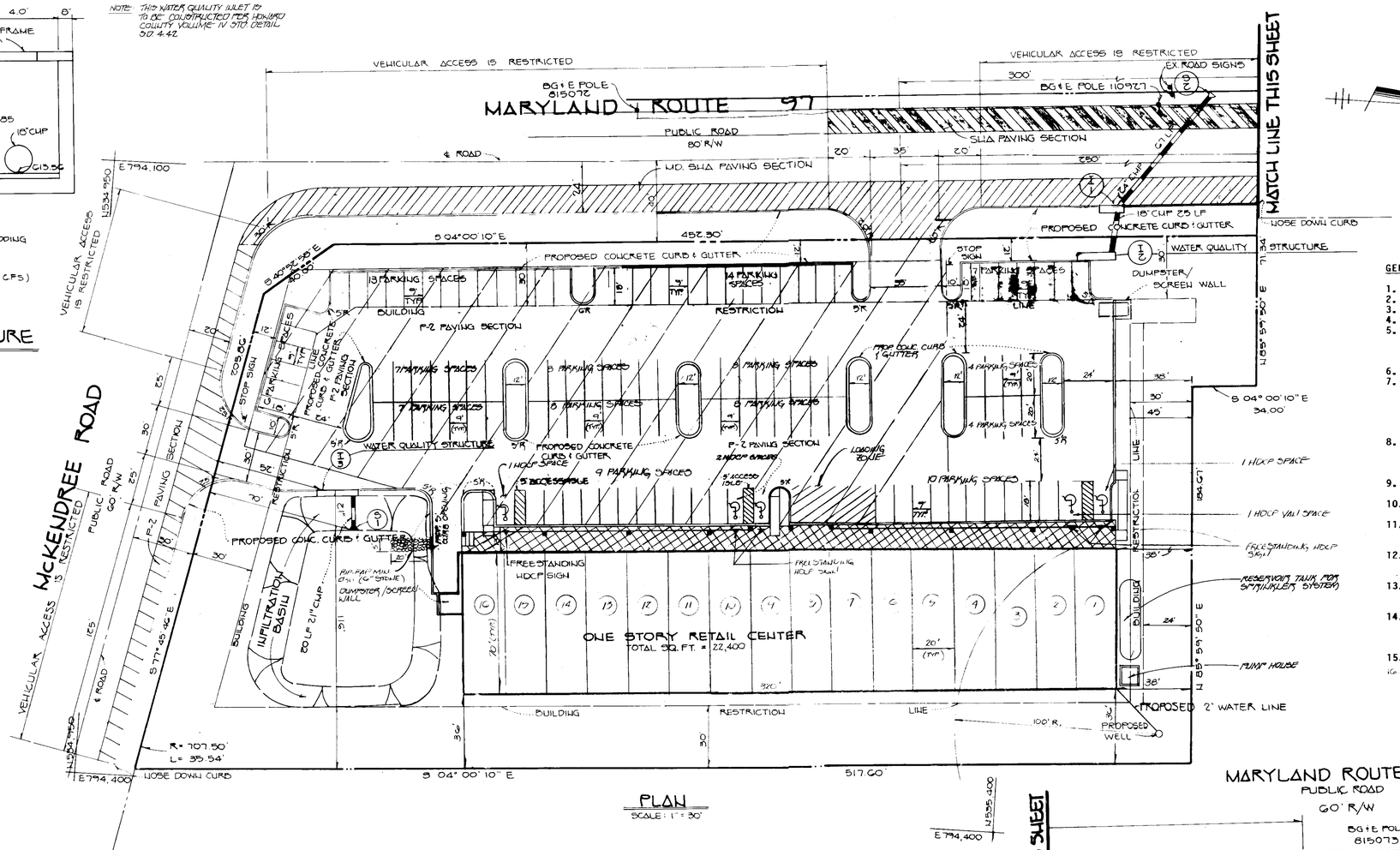
MAINTENANCE NOTES (WATER QUALITY STRUCTURE WASTE)

1. Water Quality Structures will require periodical cleaning. Owners of these facilities will have to clean them as needed or on a frequency that the County determines is appropriate. Owners of water quality structures will be notified by the County of the frequency of maintenance.
2. Maintenance of these facilities will consist of cleaning out the separator and disposal of the waste and the repair of the facility as needed. Periodic inspections of these facilities will be made by the County Stormwater Management group.
3. The disposal of the liquid and solid matter should be as follows:
   A. All liquid material in the separator inlet shall be pumped into a suitable tank truck and disposed of at an approved sanitary district discharge manhole or be taken to an approved sewage treatment plant for discharge.
   B. The solid material shall be landfilled in an approved sanitary landfill.
4. The inlet pipes, trash racks, grates, and structural parts shall be repaired as needed.

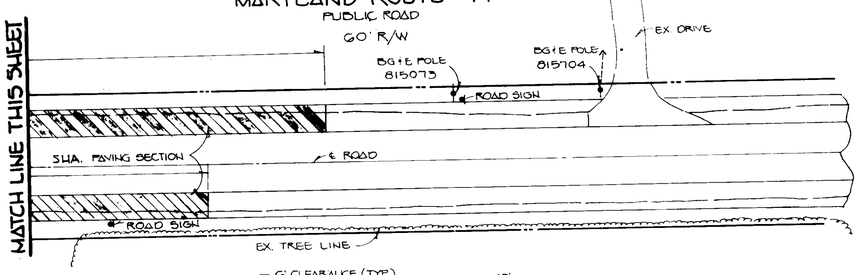
CONSTRUCTION NOTES:

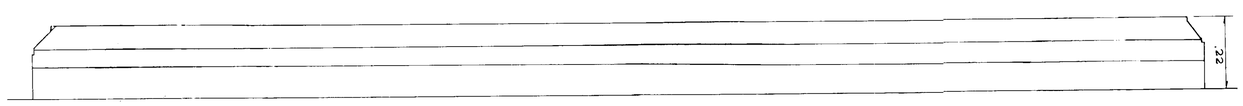
1. Silt and debris shall not be allowed to enter the structures until contributing drainage areas have been permanently stabilized.
2. All openings to structures shall be protected with the appropriate sediment control measures during construction.

NOTE: THIS WATER QUALITY INLET IS TO BE CONSTRUCTED PER HOWARD COUNTY VOLUME IV STD DETAIL STD 4.42

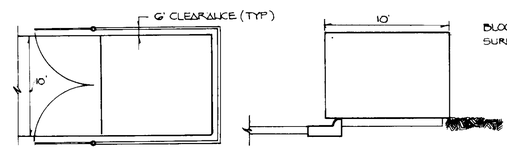


PLAN
SCALE: 1" = 30'





TYPICAL BUILDING PROFILE
NOT TO SCALE



DUMPSTER PAD ENCLOSURE DETAIL
NOT TO SCALE

GENERAL NOTES

1. EXISTING ZONING IS B-1 BUSINESS LOCAL.
2. PROPERTY IS RECORDED AS PLAT NO. 5906.
3. TOTAL AREA OF SITE IS 2.9 AC.±.
4. BUILDING COVERAGE (50% PERCENT MAX) IS 17%.
5. AREA OF PARKING LOT 0.97 AC.± (INCLUDES ACCESS ISLES SERVICING PARKING SPACES). AREA OF LANDSCAPED ISLANDS REQUIRED (5% MIN) 0.05 AC.±. AREA OF LANDSCAPED ISLANDS PROVIDED (23%) 0.22 AC.±.
6. PROPOSED BUILDING USE IS RETAIL STORES. (22,400 SQ.FT.)
7. PARKING DATA.
   A. RETAIL STORES 22,400
      22,400 @ 1 SPACE / 200 SQ.FT.=106 PARKING SPACES REQUIRED.
   B. PARKING SPACES PROVIDED =120
      115 STANDARD PARKING SPACES
      5 HANDICAPPED SPACES
8. A LEVEL TEXTURED SURFACE NOT LESS THAN THE WIDTH OF EACH ENTRANCE AND EXTENDED FIVE FEET OUT FROM EACH ENTRANCE SHALL BE INLAID IN THE SIDEWALK FOR THE PURPOSE OF IDENTIFICATION BY HANDICAPPED PERSONS.
9. ALL EXTERIOR LAMPS SHALL BE DIRECTED OR REFLECTED AWAY FROM ALL ADJACENT ROADS AND RESIDENTIAL AREAS.
10. CONTRACTORS SHALL VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES BEFORE STARTING ANY CONSTRUCTION.
11. THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION/INSPECTION/SURVEY DEPT. OF HOWARD COUNTY, MARYLAND 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK AT 313-1880.
12. THE CONTRACTOR SHALL NOTIFY THE C&P TELEPHONE COMPANY AND THE GAS AND ELECTRIC COMPANY FIVE DAYS PRIOR TO STARTING WORK SHOWN ON THESE PLANS BY CALLING MISS UTILITY AT 1-559-0100 (COLLECT).
13. THE CONTRACTOR SHALL NOTIFY THE HOWARD COUNTY HEALTH DEPT., 24 HOURS ADVANCE OF COMMENCEMENT OF WORK IN OR AROUND THE PRIVATE SEWERAGE DISPOSAL EASEMENT 461-9933.
14. THIS PLAN IS SUBJECT TO WAIVER OF SUBDIVISION AND LAND DEVELOPMENT REGULATIONS SECTION 16.119, 16.120 AND 16.115 C.4. DATED DEC. 31, 1990 WP-91-60 WAIVER FOR REQUIRED SKETCH AND PRELIMINARY PLAN AND DIRECT ACCESS TO A MINOR ARTERIAL ROAD.
15. THIS PLAN IS SUBJECT TO F 91-75.
16. THIS PLAN IS SUBJECT TO WP 94-68 APPROVED 23rd OF March 1994 APPROVAL TO WAIVE SECTION 16.134 TO PERMIT A ONE YEAR EXTENSION TO APPLY FOR A BUILDING PERMIT FOR SDP 91-60

NO.	DATE	REVISIONS / DESCRIPTION
2	3-2-95	REVISED PARKING LAYOUT INCREASED SPACES
1	4-22-94	REVISED PER BUREAU OF ENGINEERING SPEED MEMO DATED 4-12-94

OWNER AND DEVELOPER

J.R. ENTERPRISES, INC.
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21737

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SIGNATURE OF ENGINEER — DATE 10/17/91

DEVELOPER'S CERTIFICATE

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SIGNATURE OF DEVELOPER — DATE 9-19-91

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

SOIL CONSERVATION SERVICE — DATE 10/24/91

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

APPROVED

HOWARD SOIL CONSERVATION DISTRICT — DATE 10/28/91

APPROVED DEPT OF PLANNING AND ZONING

PLANNING DIRECTOR — DATE 1/31/92

CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT — DATE 1/30/92

APPROVED HOWARD COUNTY HEALTH DEPARTMENT FOR PRIVATE WATER AND SEWERAGE SYSTEMS

HEALTH OFFICER — DATE 1-23-92

APPROVED DEPARTMENT OF PUBLIC WORKS FOR PRIVATE WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS

DIRECTOR, PUBLIC WORKS — DATE 01/30/92

CHIEF, BUREAU OF ENGINEERING — DATE 1/24/92

PROPERTY			SECTION/AREA	PARCEL/
INWOOD VILLAGE CENTER				A
PLAT NO	BLOCK NO	ZONE	TAX/ZONE	ELEC DIST	CENSUS TR
5906	11	B-1	14	4	6040
WATER CODE		SEWER CODE			

SITE DEVELOPMENT PLAN
SITE IMPROVEMENT

INWOOD VILLAGE CENTER
RETAIL STORES

FOURTH ELECTION DISTICT
HOWARD COUNTY MARYLAND
TAX MAP 14 BLOCK 11 PARCEL A
DATE: OCTOBER 17, 1991

SHEET 3 OF 7

SDP-91-60

TRAP DATA NO. 1

1. TYPE = STONE OUTLET
2. DRAINAGE AREA = 1.6 AC.±
3. VOLUME REQUIRED = 107 CU.YD.
4. VOLUME PROVIDED = 253 CU.YD.
5. TOP DIM. = 80' X 99'
6. BOTTOM DIM. = 66' X 87'
7. WEIR CREST ELEVATION = 613.9
8. BOTTOM ELEVATION = 612.0
9. CLEANOUT ELEVATION = 612.70
10. DEPTH = 1.39'
11. 'L' = 20'

TRAP DATA NO. 2

1. TYPE = STORM INLET SEDIMENT TRAP
2. DRAINAGE AREA = 1.2 AC.±
3. VOLUME REQUIRED = 80 CU.YD.
4. VOLUME PROVIDED = 108 CU.YD.
5. TOP DIM. = 60' X 20'
6. BOTTOM DIM. = 54' X 14'
7. WEIR CREST ELEVATION = 618.0
8. BOTTOM ELEVATION = 615.0
9. CLEANOUT ELEVATION = 616.5
10. DEPTH = 3.0'
11. 'L' DIM = 5'

NUMBER	DATE	DESCRIPTION
2	3-6-95	REVISE PARKING LOT SPACES AND PROP. GRADE
1	4-22-94	REVISED PER BUREAU OF ENGINEERING SEED MEMO DATED 4-12-94

REVISIONS

OWNER AND DEVELOPER
J.R. ENTERPRISES, INC.
TRIADELPHIA AND TEN OAKS ROAD
P.O. BOX 239
GLENELG, MARYLAND
21737

10100, 3171 BALTIMORE NATIONAL PIKE

APPROVED: FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS — 10/28/91

THIS DEVELOPMENT PLAN IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT — 10/28/91

APPROVED DEPT OF PLANNING AND ZONING
PLANNING DIRECTOR — 1/31/92
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT — 1/30/92

APPROVED HOWARD COUNTY HEALTH DEPARTMENT FOR PRIVATE WATER AND SEWERAGE SYSTEMS — 1-23-92

APPROVED DEPARTMENT OF PUBLIC WORKS FOR PRIVATE WATER, SEWER AND STORM DRAINAGE SYSTEMS AND ROADS
DIRECTOR OF PUBLIC WORKS — 1/30/92
CHIEF, BUREAU OF ENGINEERING — 1/24/92

Ronald L. Eyre — 9-19-91
10/17/91

PROPERTY	SECTION/AREA	PARCEL
INWOOD VILLAGE CENTER	—	A

PLAT NO.	BLOCK NO.	ZONE	TAX/ZONE MAP	ELEC. DIST.	CENSUS TR.
5506	11	B-1	14	4	6040

WATER CODE — SEWER CODE

SEDIMENT AND EROSION CONTROL
GRADING PLAN
SECTIONS AND PROFILES
INWOOD VILLAGE CENTER
RETAIL STORES
FOURTH ELECTION DISTRICT
HOWARD COUNTY MARYLAND
TAX MAP 14 BLOCK 11 PARCEL A
DATE: OCTOBER 17, 1991

SHEET 4 OF 7

SDP 91-60

PERMANENT SEEDING NOTES:

APPLY TO GRADED OR CLEARED AREA NOT SUBJECT TO IMMEDIATE FURTHER DISTRUBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION: LOOSEN UPPER THREE-INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.
SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULE.
1) PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ.FT.) AND 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ.FT.) BEFORE SEEDING.
HARROW OR DISC INTO UPPER THREE-INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER 30-0-0 UREAFORM FERTILIZER (9 LBS/1000 SQ.FT.)
2) ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ.FT.) AND 1000 LBS. PER ACRE 10-10-10 FERTILIZER (23 LBS./1000 SQ.FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE-INCHES OF SOIL.

SEEDING: FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 60 LBS. PER ACRE (1.4 LBS/1000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 60 LBS. KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS. PER ACRE (.05 LBS/1000 SQ.FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THRU FEBRUARY 28, PROTECT SITE BY: OPTION (1) 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) USE SOD. OPTION (3) SEED WITH 60 LBS/ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WILL ANCHORED STRAW.
MULCHING: APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ.FT.) OR UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GAL/1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHTER, USE 348 GALLONS PER ACRE (8 GAL/1000 SQ.FT.) FOR ANCHORING.
MAINTENANCE: INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

TEMPORARY SEEDING NOTES:

APPLY TO GRADED OR CLEARED ARFAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION: LOOSEN UPPER THREE-INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.
SOIL AMENDMENTS: APPLY 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ.FT.)
SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU NOVEMBER 15, SEED WITH 2 1/2 BUSHEL PER ACRE OF ANNUAL RYE (3.2 LBS/1000 SQ.FT.). FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS PER ACRE OF WEEPING LOVEGRASS (.07 LBS/1000 SQ.FT.). FOR THE PERIOD NOVEMBER 16 THRU FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOD.
MULCHING: APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEUIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GAL PER ACRE (5 GAL/1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES, 8 FT. OR HIGHER, USE 348 GAL PER ACRE (8 GAL/1000 SQ.FT.) FOR ANCHORING.

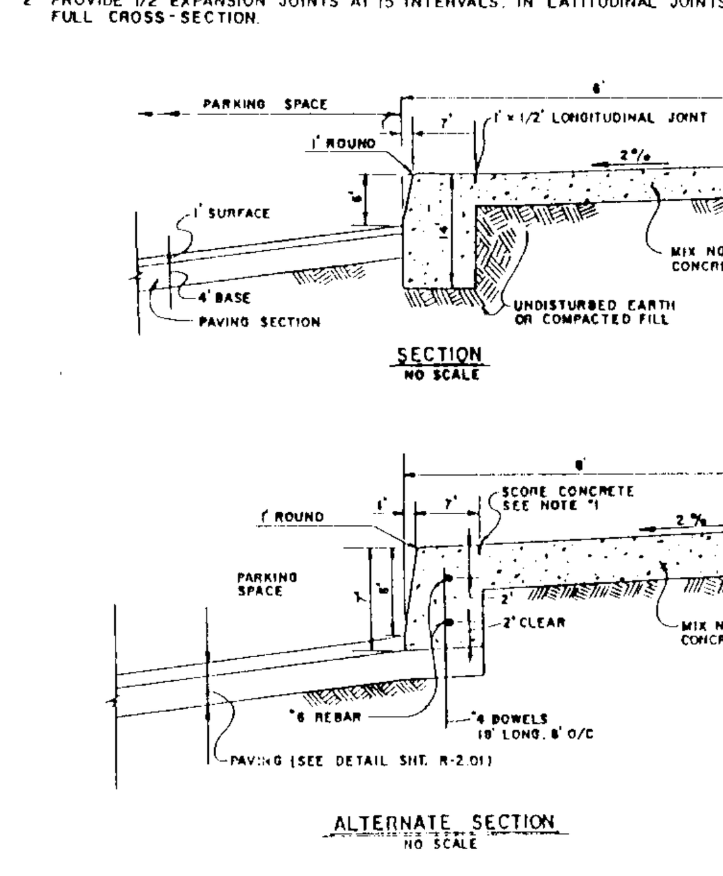
REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

SEQUENCE OF CONSTRUCTION

1. OBTAIN GRADING PERMIT.
2. INSTALL TEMPORARY INLET AT I-2, INSTALL STORM DRAIN SYSTEM BETWEEN I-2 TO S-2. INSTALL TRAP 2.
3. INSTALL STABILIZED CONSTRUCTION ENTRANCE, SILT FENCE, PERIMETER DIKE/SWALE AND EARTH DIKE.
4. INSTALL TRAP 1 (BOTTOM ELEVATION 612.00)
5. RAZED OR REMOVE ALL STRUCTURES ON SITE.
6. BACKFILL OR REMOVE ALL EXISTING FOUNDATIONS.
7. BACKFILL OR REMOVED ALL PRIVATE SEWERAGE DISPOSAL SYSTEMS.
8. COLLAPSE BACKFILL AND CAP ALL PRIVATE WELLS.
9. CLEAR AND GRUB SITE.
10. CONSTRUCT PRIVATE STORM DRAIN.
11. CONSTRUCT BUILDING.
12. CONSTRUCT CURB, SIDEWALK AND GUTTER.
13. REMOVE STABILIZED CONSTRUCTION ENTRANCE AND INSTALL BASE COURSE.
14. INSTALL LANDSCAPING.
15. FINE GRADE SITE AND PERMANENTLY STABILIZE ALL UPLAND AREAS. COMPLETE STABILIZATION OF ALL DISTURBED UPLAND AREAS WILL BE DONE PRIOR TO CONVERSION OF SEDIMENT TRAPS TO EITHER INFILTRATION BASIN OR PERMANENT STORMDRAIN SYSTEMS.
16. CLEAN BASE COURSE AND APPLY TACK COAT. LAY SURFACE COURSE.
17. CONVERT TRAP 2 AND TEMPORARY INLET TO WATER QUALITY STRUCTURE I-2 AFTER PERMISSION IS GRANTED BY SEDIMENT CONTROL INSPECTOR.
18. CONVERT TRAP 1 TO PERMANENT INFILTRATION BASIN (BOTTOM ELEVATION 610.0) AFTER PERMISSION IS GRANTED BY SEDIMENT CONTROL INSPECTOR.
19. REMOVE ALL OTHER SEDIMENT CONTROL DEVICES AFTER PERMISSION IS GRANTED BY SEDIMENT CONTROL INSPECTOR.

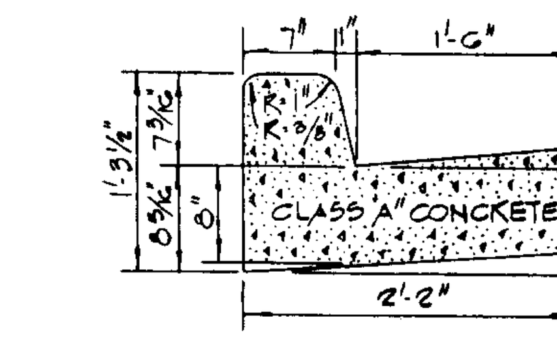
NOTES

1. LONGITUDINAL JOINT BETWEEN SIDEWALK AND CURB SHALL BE CONTINUOUS AND TO A DEPTH OF 1/4 THE SIDEWALK THICKNESS OR 1" MAX. LATITUDINAL JOINTS SHALL RUN FROM BACK EDGE OF SIDEWALK, CONTINUOUS TO THE BOTTOM FACE OF CURB TO A DEPTH OF 1/4 AND SPACED 5' APART.
2. PROVIDE 1/2" EXPANSION JOINTS AT 15' INTERVALS, IN LATITUDINAL JOINTS TO FULL CROSS-SECTION.



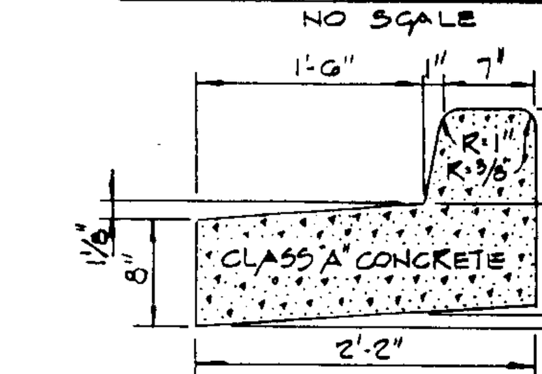
MONOLITHIC CURB AND SIDEWALK DETAIL

NOT TO SCALE

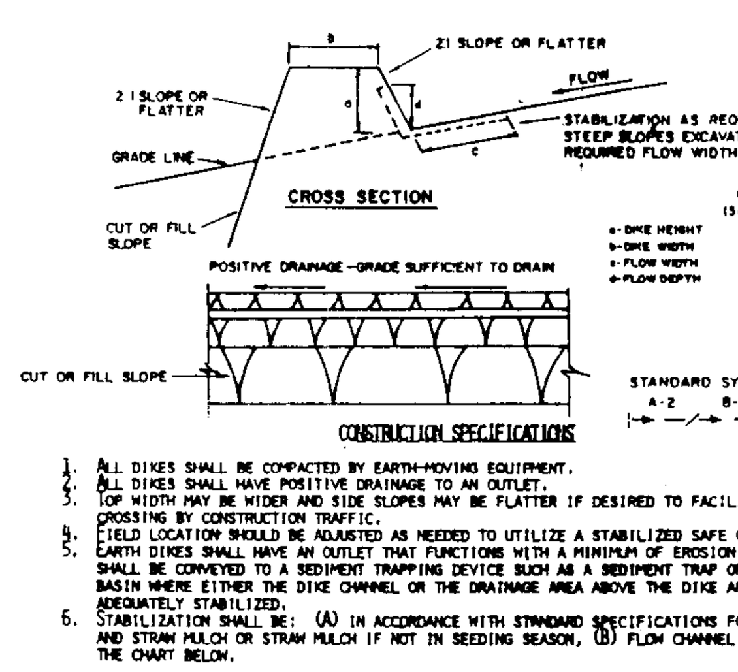


STANDARD 7" COMBINATION CURB AND GUTTER

NO SCALE



REVERSE 7" COMBINATION CURB AND GUTTER



CONSTRUCTION SPECIFICATIONS

1. ALL DIKES SHALL BE COMPACTED BY EARTH-MOVING EQUIPMENT.
2. ALL DIKES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET.
3. TOP WIDTH MAY BE WIDER AND SIDE SLOPES MAY BE FLATTER IF DESIRED TO FACILITATE CROSSING BY CONSTRUCTION TRAFFIC.
4. FIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STABILIZED SAFE OUTLET.
5. EARTH DIKES SHALL HAVE AN OUTLET THAT FUNCTIONS WITH A MINIMUM OF EROSION. RUNOFF SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE SUCH AS A SEDIMENT TRAP OR SEDIMENT BASIN WHERE EITHER THE DIKE CHANNEL OR THE DRAINAGE AREA ABOVE THE DIKE ARE NOT ADEQUATELY STABILIZED.
6. STABILIZATION SHALL BE: (A) IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SEED AND STRAW MULCH OR STRAW MULCH IF NOT IN SEEDING SEASON, (B) FLOW CHANNEL AS PER THE CHART BELOW.

FLOW CHANNEL STABILIZATION

TYPE OF TREATMENT	CHANNEL GRADE	DIKE A	DIKE B
1	.5-3.0%	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3.1-5.0%	SEED AND STRAW MULCH	SEED USING JUTE, OR EXCELSIOR; SOD; 2" STONE
3	5.1-8.0%	SEED WITH JUTE, OR SOD; 2" STONE	LINED RIP-RAP 4-8"
4	8.1-20%	LINED RIP-RAP 4-8"	ENGINEERING DESIGN

A. STONE TO BE 2 INCH STONE, OR RECYCLED CONCRETE EQUIVALENT, IN A LAYER AT LEAST 3 INCHES IN THICKNESS AND BE PRESSED INTO THE SOIL WITH CONSTRUCTION EQUIPMENT.
B. RIP-RAP TO BE 4-8 INCHES IN A LAYER AT LEAST 8 INCHES THICKNESS AND PRESSED INTO THE SOIL.
C. APPROVED EQUIVALENTS CAN BE SUBSTITUTED FOR ANY OF THE ABOVE MATERIALS.
7. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.

EARTH DIKE

NOT TO SCALE

NO.	DATE	REVISION
1	3-2-95	REVISE HDCP FINE $50 TO $98

SPECIFICATIONS
FOR
POSTING OF FIRE LANES ON COMMERCIAL PRIVATE PROPERTY

MARKING - METHOD 1

Where a curb exists along a designated Fire Lane, common "Red Traffic Paint" will be used to paint the entire top and vertical surface of the curb. The painted surface will extend for the full length of the designated Fire Lane. This type of paint is readily obtainable from the Baltimore Paint and Chemical Company or any similar source dispensing special-use paints. Paint may be applied by either brush or spray application. Roll-on applications are not recommended.

At each end of the Fire Lane, within the red painted area, the legend, NO PARKING - FIRE LANE, will be painted in white letters no less than three inches (3") high on top of the curb. This legend will also be repeatedly placed at approximately equidistant spacing along the entire painted curb top surface at a separation distance of twenty feet (20' ± 3'). This legend shall also be placed on the vertical face of the curb on 20 feet centers offset by 10 feet with respect to the above markings on the top surface. However, in no event, shall there be less than two such markings on the top of curb and one on vertical face.

To aid in the "first time" placement of the NO PARKING - FIRE LANE legend on the curb, the Department of Public Works will make stencils available for use at the location noted below. A returnable deposit of $10.00 will be required when stencil to:

DEPARTMENT OF PUBLIC WORKS
TRAFFIC DIVISION
GEORGE HOWARD BUILDING
3430 COURT HOUSE DRIVE
ELLICOTT CITY, MARYLAND 21043

NOTE: 1. Deposits will be held for a maximum of three (3) months before depositing.

2. Since the painting and stenciling will require annual renewal and since the Department cannot make stencils available for repeat use, the Company is advised to arrange for the acquisition of their own permanent use stencils.

3. Because of past experiences in obtaining timely annual repainting and stencilling of Fire Lane curbs and therefore effective enforcement, it is strongly recommended that Marking Method 2 be used to ensure the presence of adequate full time Public Notice.

MARKING - METHOD 2

Unless specifically directed by the Fire Administrator, the erection of Fire Lane signs and Tow Away Zone signs shall be at the option of the property owner. In the event signs are erected, they must meet the following criteria:

A. SPECIFICATIONS

1) Fire Lane Signs
a) Size - 12" wide x 18" high
Alternate when specified:
24: wide x 30" high
b) Thickness - .080"
c) Material - Aluminum
d) Color - Reflective red letters and border on a reflective white background
e) Lettering - NO PARKING (3")
FIRE LANE (2")
DIRECTIONAL ARROW (1 1/2")

NOTE: The use of international symbol type signs is not authorized.

2) Tow Away Zone Signs

The authorized sign is designated R7-201 in the Manual on Uniform Traffic Control Devices

a) Size - 12" wide x 6" high
b) Materials type and thickness to be same as Fire Lane sign
c) Color - Red letters and border on reflective white background
d) Lettering - 2 line text using 1 inch letters

B. PLACEMENT OF SIGNS

1) Limits of zones - The enforceable limits of any Fire Lane shall be delineated by the placement of Fire Lane signs at both termination points. If signs are installed, all fires lane will require a minimum of two signs.

a) Short Zones (200 feet or less)

Fire Lane signs shall be placed at each end of the marked lane with opposing arrows.

b) Long Zones (in excess of 200 feet)

Fire Lane signs should be spaced approximately 100-150 feet apart, but in no case will they be spaced more than a distance of 200 feet apart. All long zones will require a minimum of three signs. When signing "Long Zones", it is necessary to incorporate a double pointing arrow on the middle sign (s) and a single pointing arrow on the end signs indicating the limits of the regulation.

c) Tow Away Zone Sign

The "Tow Away Zone" sign shall be mounted immediately below each Fire Lane sign on the same support. The "Tow Away" sign is necessary to ensure maintaining a clear fire lane.

C. POSITIONING OF SIGNS

1. Mounting Techniques

It is recommended that Fire Lane and Tow Away signs be mounted on new posts approximately one (1) foot back of curb for best effectivity. Where applicable, mounting may also be on posts installed in grass areas beyond a sidewalk where such sidewalk does not exceed four (4) feet in width and adjoins the curb. The mounting of signs on the face of buildings is specifically discouraged as being ineffective from an enforcement standpoint and shall not be used in the absence of stencilled curbs.

2. All signs shall be mounted parallel to the Fire Lane curb unless orders to the contrary are received from the Office of Fire Administrator concerning special circumstances which require alternative signing.

3. Mounting Height

Fire Lane signs shall be mounted at the height of 7 feet to the bottom of the sign. However, slightly lower mounting height may be approved if existing construction conditions so require. No Fire Lane signs shall be mounted so as to interfere with pedestrian movement.

Tow Away Zone signs shall be mounted directly below the Fire Lane such that the height is 6 1/2 feet to the bottom of the sign.

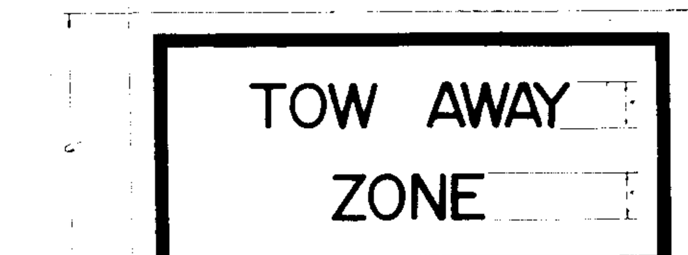
SIGN DETAIL

NOT TO SCALE

COLORS
LEGEND AND BORDER — GREEN
WHITE SYMBOL ON BLUE BACKGROUND
BACKGROUND — WHITE

HANDICAPPED PARKING SIGN DETAIL

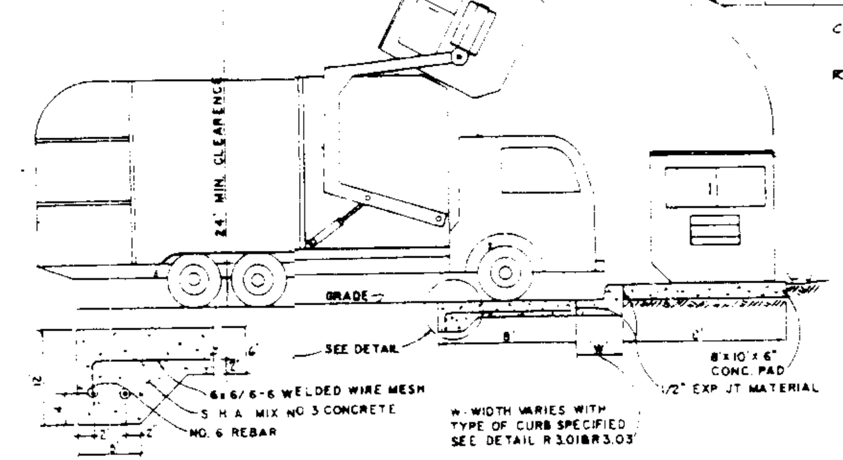
NOT TO SCALE



COLOR: RED LETTERS AND BORDER ON WHITE REFLECTIVE BACKGROUND.
R7-201-DESIGNATION IN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES

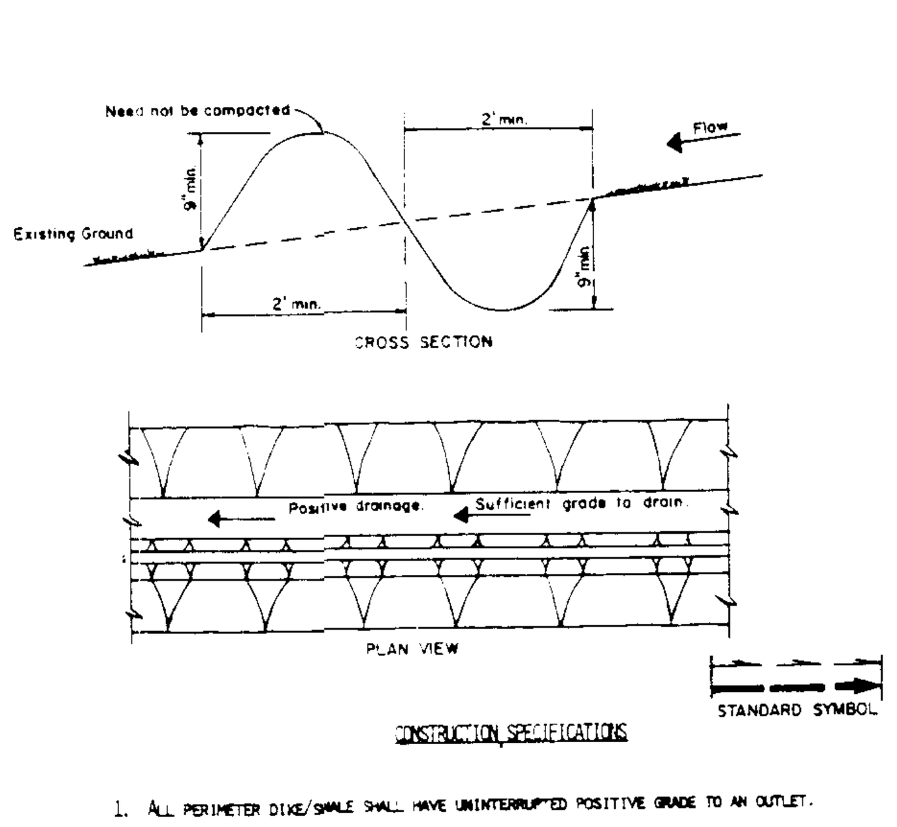
SIGN DETAIL

NOT TO SCALE



SOLID WASTE SERVICE PAD

NOT TO SCALE

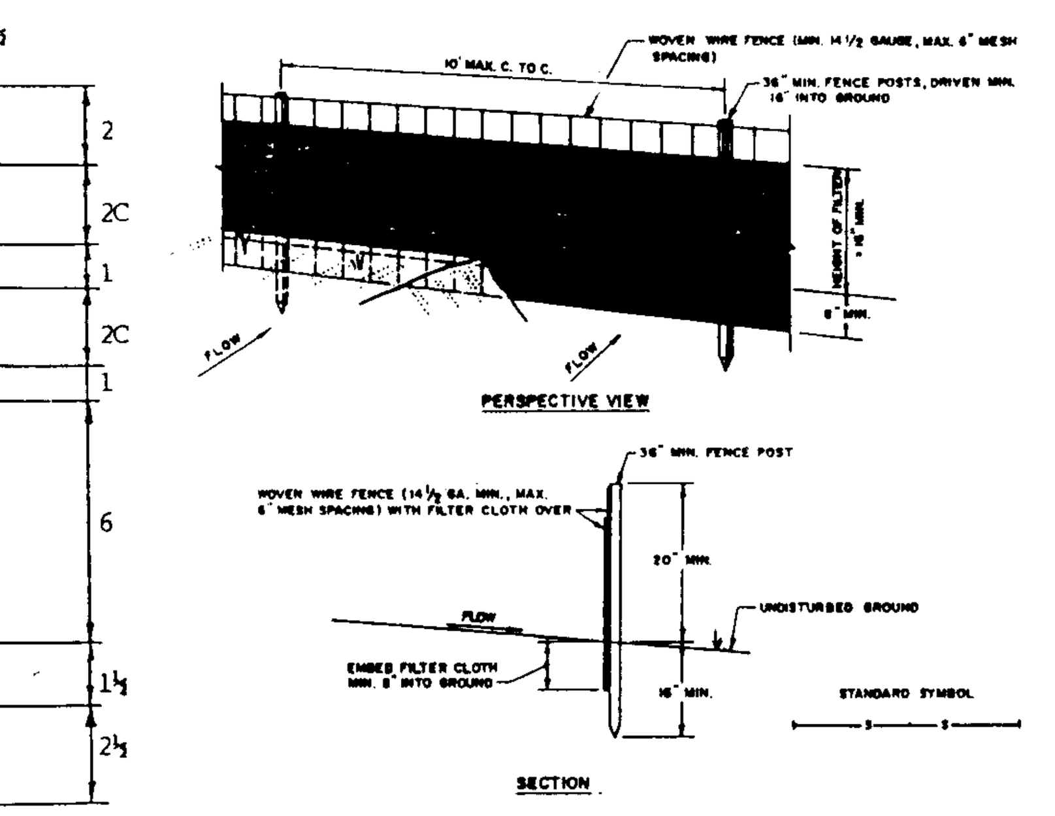


CONSTRUCTION SPECIFICATIONS

1. ALL PERIMETER DIKE/SWALE SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET.
2. DIVERTED RUNOFF FROM A DISTRUBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE.
3. DIVERTED RUNOFF FROM AN UNDISTURBED AREA SHALL OUTLET INTO AN UNDISTURBED STABILIZED AREA AT NON-EROSION VELOCITY.
4. THE SWALE SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED IN THE STANDARD.
5. STABILIZATION OF THE AREA DISTURBED BY THE DIKE AND SWALE SHALL BE DONE IN ACCORDANCE WITH THE STANDARD AND SPECIFICATION FOR SEED AND STRAW MULCH, AND SHALL BE DONE WITHIN 10 DAYS.
6. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.

PERIMETER DIKE / SWALE

NOT TO SCALE



CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

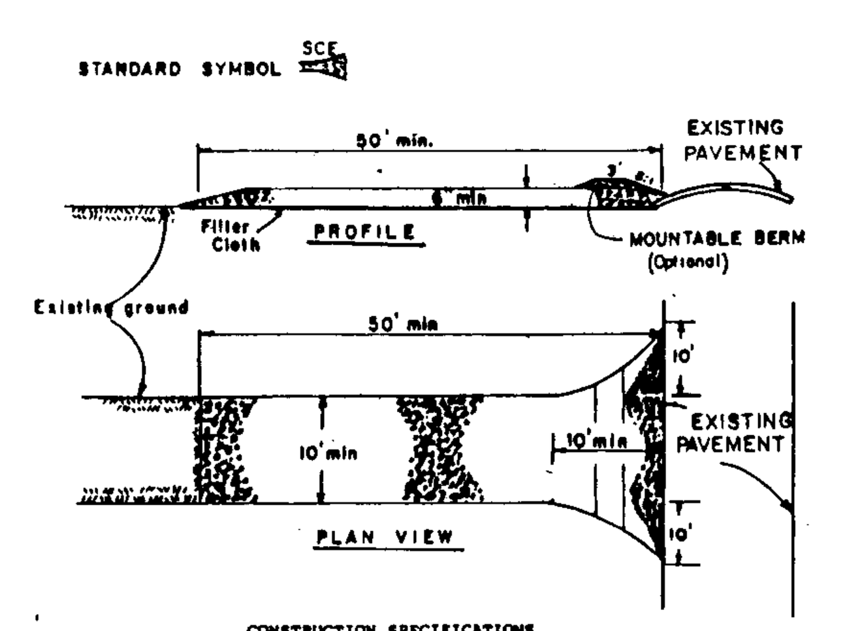
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD
FENCE: WOVEN WIRE, 14½ GA. 6" MAX. MESH OPENING
FILTER CLOTH: FILTER X, MIRAFI 100X, STABILINKA T140N OR APPROVED EQUAL
PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL.

SILT FENCE

NOT TO SCALE

STANDARD SYMBOL SCE

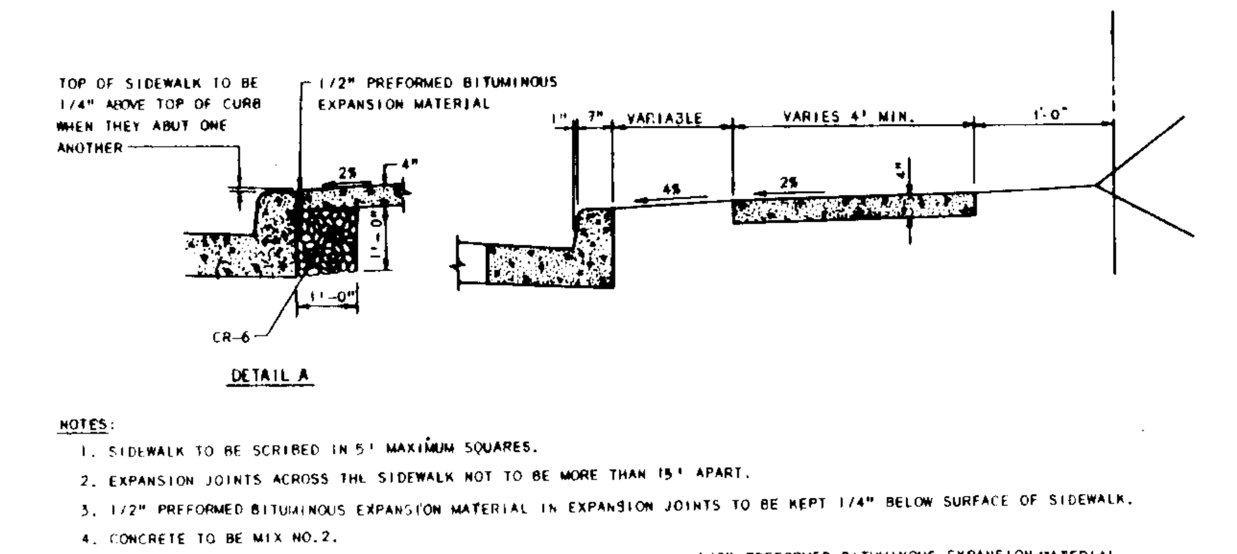


CONSTRUCTION SPECIFICATIONS

1. Stone Size - Use 2" stone, or reclaimed or recycled concrete equivalent.
2. Length - As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
3. Thickness - Not less than six (6) inches.
4. Width - Ten (10) foot minimum, but not less than the full width at points where ingress or egress occurs.
5. Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot.
6. Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with 5:1 slopes will be permitted.
7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.
8. Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public-rights-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
9. Periodic inspection and needed maintenance shall be provided after each rain.

STABILIZED CONSTRUCTION ENTRANCE

NOT TO SCALE



NOTES:
1. SIDEWALK TO BE SCRIBED IN 5' MAXIMUM SQUARES.
2. EXPANSION JOINTS ACROSS THE SIDEWALK NOT TO BE MORE THAN 15' APART.
3. 1/2" PREFORMED BITUMINOUS EXPANSION MATERIAL IN EXPANSION JOINTS TO BE KEPT 1/4" BELOW SURFACE OF SIDEWALK.
4. CONCRETE TO BE MIX NO.2.
5. WHEN SIDEWALK ABUTS CURB, WALK SHALL BE 1/4" ABOVE CURB WITH 1/2" PREFORMED BITUMINOUS EXPANSION MATERIAL BETWEEN SIDEWALK AND CURB AND RESTING ON A COMPACTED CRUSHED STONE BASE. SEE DETAIL A THIS SHEET.
6. ON LONGITUDINAL SIDEWALK GRADES OF 5% OR GREATER, A CONCRETE HEADER, 6" THICK AND 6" DEEP BELOW THE NORMAL 4" SIDEWALK THICKNESS SHALL BE CONSTRUCTED FOR THE FULL WIDTH OF THE SIDEWALK AT INTERVALS OF 48 FEET. THE HEADERS SHALL BE PLACED AT EXPANSION JOINT LOCATIONS AND SHALL BE MONOLITHIC WITH THE SIDEWALK.

CONCRETE SIDEWALK

NOT TO SCALE

INFILTRATION BASIN STANDARDS AND SPECIFICATION

Construction Specifications

The construction of all infiltration basins should comply with the criteria set forth in the Maryand SCS Standards and Specifications 378-Ponds dated July, 1981 or subsequent revisions and the additional criteria provided below.

Schedule

The sequence of various phases of basin construction shall be coordinated with the overall project construction schedule. A program should schedule rough excavation of the basin with the rough grading phase of the project to permit use of the material as fill in earthwork areas. The partially excavated basin could serve as a sedimentation basin in order to assist in erosion and sediment control during construction. However, basins near final stages of excavation should never be used prematurely for runoff disposal. Drainage from untreated, freshly constructed slopes within the watershed area would load the newly formed basin with a heavy concentration of fine sediment. This could seriously impair the natural infiltration characteristics of the basin floor. Final grade of an infiltration basin shall not be attained until after its use as a sediment control basin is completed.

Specifications for basin construction should state: (1) the earliest point in progress when storm drainage may be directed to the basin, and (2) the means by which this delay in use is to be accomplished. Due to the wide variety of conditions encountered among projects, each should be separately evaluated in order to postpone use as long as is reasonably possible.

Excavation

Initial basin excavation should be carried to within 1 foot of the final elevation of the basin floor. Final excavation to the finished grade should be deferred until all disturbed areas on the watershed have been stabilized or protected. The final phase excavation should remove all accumulated sediment. Relatively light tracked equipment is recommended for this operation to avoid compaction of the basin floor. After the final grading is completed, the basin floor should be deeply tilled by means of rotary tillers or disc harrows to provide a well-aerated, highly porous-surface texture.

Lining Material

Infiltration basins may be lined with a 6- to 12-inch layer of filter material such as coarse sand to help prevent the buildup of impervious deposits on the soil surface. The filter layer can be replaced or cleaned when it becomes clogged. When a 6-inch layer of coarse organic material is specified for discing (such as hulls, leaves, stems, etc.) or spading into the basin floor to increase the permeability of the soils, the basin floor should be soaked or inundated for a brief period, then allowed to dry subsequent to this operation. This induces the organic material to decay rapidly, loosening the upper soil layer.

Establishing dense vegetation on the basin side slopes and floor is recommended. A dense vegetative stand will not only prevent erosion and sloughing, but will also provide a natural means of maintaining relatively high infiltration rates. Erosion protection of inflow points to the basin shall also be provided. Removal of accumulated sediment is a problem only at the basin floor. Little maintenance is normally required to maintain the infiltration capacity of slope areas.

Selection of suitable vegetative materials for the side slope and all other areas to be stabilized with vegetation and application of required fertilizer and mulches shall be done in accordance with the Maryland Standards and Specifications for Soil Erosion and Sediment Control. Local Extension Agencies should also be consulted.

Maintenance

Inspection Schedule

Drainage systems must be inspected on a routine basis to ensure that they are functioning properly. Inspections can be on a semiannual basis but should always be conducted following major storms.

Sediment Control Effect on Vegetated Basins

Cleanout frequency of infiltration basins will depend on whether they are vegetated or nonvegetated and will be a function of their storage capacity, recharge characteristics, volume of inflow, and sediment load. Infiltration basins should be inspected at least once a year. Sedimentation basins and traps may require more frequent inspection and cleanout.

Grass bottoms on infiltration basins seldom need replacement since grass serves as a good filter material. This is particularly true of Kentucky 31 Tall Fescue, which is extremely hardy and can withstand several days of submergence. If silty water is allowed to trickle through the turf, most of the suspended material is strained out within a few yards of surface travel. Well established turf on a basin floor will grow up through sediment deposits, forming a porous turf and preventing the formation of an impermeable layer. Grass filtration would work well with long, narrow, shoulder-type (swales, ditches, etc.) depressions where highway runoff flows down a grassy slope between the roadway and the basin. Kentucky 31 Tall Fescue demands very little attention and looks attractive when trimmed. Grass planted on basin side slopes will also prevent erosion.

Sediment Removal From Nonvegetated Basin

(a) Technique. Remove sediment only when the basin floor is completely dry, after the silt layer has mud-cracked and separated from the basin floor. Equipment maneuverability and precise blade control are essential in small areas and can greatly reduce the quantity of material to be removed.

(b) Frequency. All sediment must be removed prior to tilling operations. As tilling is required periodically and at least once annually, the frequency of sediment removal will be reduced to small operations on a regular basis.

Tilling of Nonvegetated Basin Floor

In all cases, tilling must be preceded by thorough removal of surface sediment as previously above.

(a) Purposes. It is necessary to restore the natural infiltration capacity by overcoming the effects of surface compaction, and to control weed growth on the basin floor.

(b) Technique. Rotary tillers or disc harrows will normally serve this purpose. Light tractors should be employed for these operations. In the event that heavy equipment has caused deeper than normal compaction of the surface, these operations should be preceded by deep plowing. In its final condition after tilling, the basin floor should be level, smooth, and free of ridges and furrows to ease future removal of sediment and minimize the material to be removed during future cleaning operations. A leveling drag, towed behind the equipment on the last pass, will accomplish this.

(c) Frequency. In the spring, the basin surface is usually quite porous due to the effects of frost and subsequent thawing. The infiltration capacity diminishes rapidly thereafter. To enhance infiltration capacity, tilling should be thorough once each season, from late June through September. To control vegetative growth, an additional light tillage may be advisable during the growing season. Precautions must be observed, however, to avoid any possibility of working sediment accumulations into the basin floor as a part of light cultivation for the purpose of weed control. It is therefore stressed again that any cultivation or tilling operation be preceded in all cases by careful sediment removal.

Side Slope Maintenance

(a) Purpose. To promote a dense turf with extensive root growth, thereby enhancing infiltration through the slope surface and prevent weeds from gradually taking over the slope areas.

(b) Frequency. Grasses of the fescue family are recommended for seeding primarily due to their adaptability to dry sandy soils, drought resistance, hardiness, and ability to withstand brief inundations. The use of fescues will also permit long intervals between mowings. This is important due to the relatively steep slopes which make mowing difficult. Mowing twice a year, once in June and again in September, is generally satisfactory. Refertilization with 10-6-4 ratio fertilizer at a rate of 500 lb per acre (11 lb per 1000 sq ft) may be required the second year after seeding.

STATE OF MARYLAND
CHARLES ES TAVOLAR
13204
PROFESSIONAL ENGINEER

OWNER AND DEVELOPER

J.R. ENTERPRISES, INC.
TRIADELPHIA AND TEN OAKS ROAD
P.O. BOX 239
GLENELG, MARYLAND
21737

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERS & LAND SURVEYORS
SUITE 100, 9171 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21043
(301) 461-2855

ENGINEER'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

[illegible] 10/17/91
SIGNATURE OF ENGINEER DATE

DEVELOPER'S CERTIFICATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ONSITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."

Ronald 2. Eyre 9-19-91
SIGNATURE OF DEVELOPER DATE

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

[illegible] 10/28/91
U.S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
APPROVED:

[illegible] 10/28/91
DISTRICT DATE
HOWARD SOIL CONSERVATION DISTRICT

APPROVED: DEPT. OF PLANNING AND ZONING

[illegible] 1/31/92
PLANNING DIRECTOR DATE

[illegible] 1/30/92
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

ES/CO

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PRIVATE WATER AND SEWERAGE SYSTEMS

[illegible] 1-23-92
HEALTH OFFICER DATE

APPROVED: DEPARTMENT OF PUBLIC WORKS. FOR PRIVATE WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.

[illegible] [illegible]
DIRECTOR, PUBLIC WORKS DATE

[illegible] 1/29/92
CHIEF, BUREAU OF ENGINEERING DATE

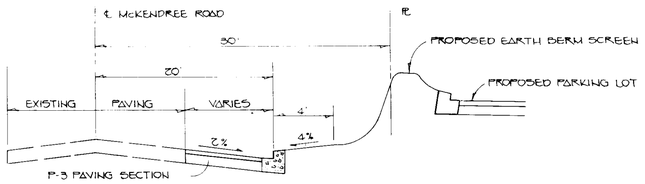
PROPERTY/SUBDIVISION				SECTION/AREA	PARCEL
INWOOD VILLAGE CENTER					A

PLAT NO.	BLOCK NO.	ZONE	TAX/ZONE	ELEC. DIST.	CENSUS TR.
9906	11	B-1	14	4	6040

WATER CODE ______ SEWER CODE ______

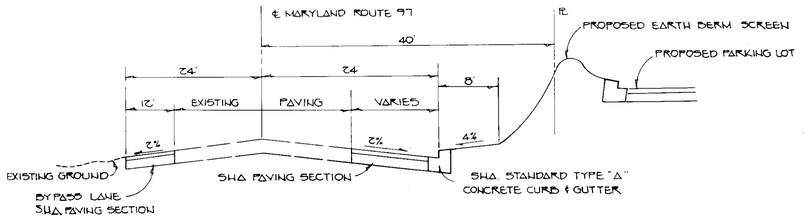
SITE DEVELOPMENT PLAN
NOTES AND DETAILS
INWOOD VILLAGE CENTER
RETAIL STORES
FOURTH ELECTION DISTICT
HOWARD COUNTY MARYLAND
TAX MAP 14 BLOCK 11 PARCEL A
DATE: OCTOBER 17, 1991
SHEET 5 OF 7

SDP 91-60



TYPICAL WIDENING SECTION ALONG McKENDREE ROAD

NOT TO SCALE



TYPICAL WIDENING SECTION ALONG MARYLAND ROUTE 97

NOTE: THIS WATER QUALITY INLET IS TO BE CONSTRUCTED PER HOWARD COUNTY VOLUME IV STD. DETAIL S.D. 4.42.

NOT TO SCALE

S.H.A.

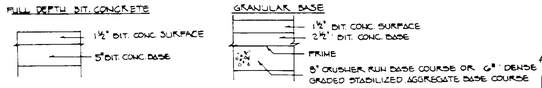
TYPICAL PAVING SECTION

3" BITUMINOUS CONCRETE SURFACE (2 - 1½" COURSES)

4" BITUMINOUS CONCRETE BASE

6" BASE COURSE USING GRADED AGGREGATE GA BASE

STRUCTURE	TYPE	INV. IN	INV. OUT	TOP ELEVATION	REMARKS
I-1	SHA	613.41	613.19	619.94	STATE HIGHWAY ADMIN INLET
I-2	WATER QUALITY	—	613.56	619.66	WATER QUALITY INLET SEE DETAIL SHEET 5 OF 6
I-3	WATER QUALITY	—	610.89	617.58	WATER QUALITY INLET SEE DETAIL SHEET 5 OF 6
D-1	METAL END SECTION	—	611.04	611.79	
D-2	METAL END SECTION	—	612.70	614.70	

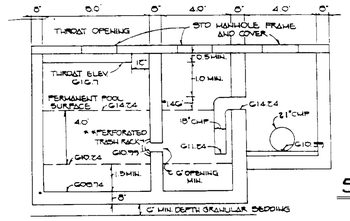


P-2 PAVING SECTION

NOT TO SCALE

NUMBER	DATE	DESCRIPTION
2	3-02-95	REVISED SPOT ELEV. ON CURB RETAILS.
1	4-22-94	REVISED PER BUREAU OF ENGINEERING SPEED MEMO DATED 4-12-94

REVISIONS



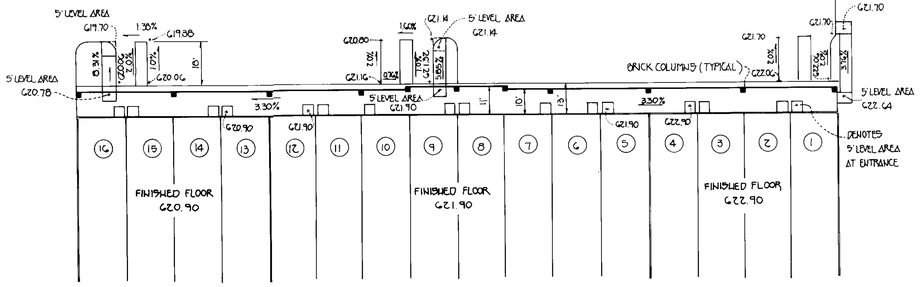
* OIL STORAGE REQUIRED

* HEAD TO PASS 10 YEAR DISCHARGE THRU PIPE. (1020 C.F.S.)

2000 CUBIC FEET PER ONE ACRE OF IMPERVIOUS DRAINAGE AREA. (NEGLECT ROOF SURFACES)

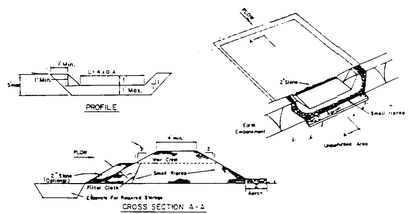
WATER QUALITY STRUCTURE

NOT TO SCALE (I-3)



PLAN

SCALE: 1" = 30'



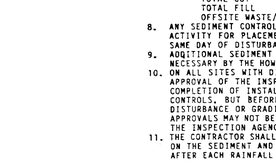
OPTION: A one foot layer of 2" stone may be placed on the upstream side of the riprap in place of the embedded filter cloth.

CONSTRUCTION SPECIFICATIONS FOR ST-V

1. Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
2. The fill material for the embankment shall be free of roots and other woody vegetation as well as over-sized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed.
3. All cut and fill slopes shall be 2:1 or flatter.
4. The stone used in the outlet shall be small riprap (4"-8" dia) along with a 1' thickness of 2" aggregate placed on the up-grade side on the small riprap or embedded filter cloth in the riprap.
5. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to ½ the design depth of the trap.
6. The structure shall be inspected after each rain and repairs made as needed.
7. Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
8. The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.

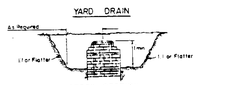
STONE OUTLET SEDIMENT TRAP

NOT TO SCALE



SIDEWALK DETAIL

INWOOD VILLAGE CENTER



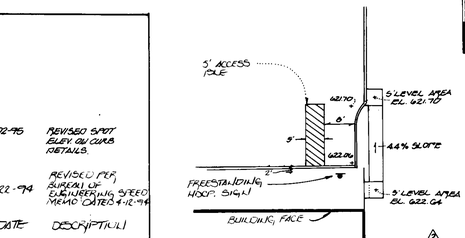
CONSTRUCTION SPECIFICATION FOR ST-III

1. Sediment shall be removed and the trap restored to its original dimensions when the sediment has accumulated to ½ the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
2. The volume of sediment storage shall be 1800 cubic feet per acre of contributory drainage.
3. The structure shall be inspected after each rain and repairs made as needed.
4. Construction operations shall be carried out in such a manner that erosion and water pollution shall be minimized.
5. The sediment trap shall be removed and the area stabilized when the contributed drainage area has been properly stabilized.
6. All cut slopes shall be 2:1 or flatter.

STORM INLET SEDIMENT TRAP

ST-III

NOT TO SCALE



SPECIFICATIONS STORMWATER MANAGEMENT POND

THESE SPECIFICATIONS ARE APPROPRIATE TO ALL PONDS WITHIN THE SCOPE OF THE STANDARD FOR PRACTICE MD-378. ALL REFERENCES TO ASTM AND AASHTO SPECIFICATIONS APPLY TO THE MOST RECENT VERSION.

SITE PREPARATION

AREAS DESIGNATED FOR BORROW AREAS, EMBANKMENT, AND STRUCTURAL WORKS SHALL BE CLEARED, GRUBBED AND STRIPPED OF TOPSOIL. ALL TREES, VEGETATION, ROOTS AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED. CHANNEL BANKS AND SHARP BREAKS SHALL BE SLOPED TO NO STEEPER THAN 1:1:1.

AREAS TO BE COVERED BY THE RESERVOIR WILL BE CLEARED OF ALL TREES, BRUSH, LOGS, FENCES, RUBBISH AND OTHER OBJECTIONABLE MATERIAL UNLESS OTHERWISE DESIGNATED ON THE PLANS. TREES, BRUSH AND STUMPS SHALL BE CUT APPROXIMATELY LEVEL WITH THE GROUND SURFACE. FOR DRY STORMWATER MANAGEMENT PONDS, A MINIMUM OF A 50 FOOT RADIUS AROUND THE INLET STRUCTURE SHALL BE CLEARED.

ALL CLEARED AND GRUBBED MATERIAL SHALL BE DISPOSED OF OUTSIDE AND BELOW THE LIMITS OF THE DAM AND RESERVOIR AS DIRECTED BY THE OWNER OR HIS REPRESENTATIVE. WHEN SPECIFIED A SUFFICIENT QUANTITY OF TOPSOIL WILL BE STOCKPILED IN A SUITABLE LOCATION FOR USE ON THE EMBANKMENT AND OTHER DESIGNATED AREAS.

EARTH FILL

MATERIAL: THE FILL MATERIAL SHALL BE TAKEN FROM APPROVED DESIGNATED BORROW AREAS. IT SHALL BE FREE OF ROOTS STUMPS, WOOD, RUBBISH, STONES GREATER THAN 6", FROZEN OR OTHER OBJECTIONABLE MATERIALS. FILL MATERIAL FOR THE CENTER OF THE EMBANKMENT AND CUT OFF TRENCH SHALL CONFORM TO UNIFIED SOIL CLASSIFICATION GC, SC, CH, OR CL. CONSIDERATION MAY BE GIVEN TO THE USE OF OTHER MATERIALS IN THE EMBANKMENT IF DESIGN AND CONSTRUCTION ARE SUPERVISED BY A GEOTECHNICAL ENGINEER.

PLACEMENT: AREAS ON WHICH FILL IS TO BE PLACED SHALL BE SCARIFIED PRIOR TO PLACEMENT OF FILL. FILL MATERIALS SHALL BE PLACED IN MAXIMUM 8-INCH THICK (BEFORE COMPACTION) LAYERS WHICH ARE TO BE CONTINUOUS OVER THE ENTIRE LENGTH OF THE FILL. THE MOST PERMEABLE BORROW MATERIAL SHALL BE PLACED IN THE DOWNSTREAM PORTIONS OF THE EMBANKMENT. THE PRINCIPAL SPILLWAY MUST BE INSTALLED CONCURRENTLY WITH FILL PLACEMENT AND NOT EXCAVATED INTO THE EMBANKMENT.

COMPACTION: THE MOVEMENT OF THE HAULING AND SPREADING EQUIPMENT OVER THE FILL SHALL BE CONTROLLED SO THAT THE ENTIRE SURFACE OF EACH LIFT SHALL BE TRAVERSED BY NOT LESS THAN ONE TREAD TRACE OF THE EQUIPMENT OR COMPACTION SHALL BE ACHIEVED BY A MINIMUM OF FOUR COMPLETE PASSES OF A SHEEPSFOOT, RUBBER TIRED OR VIBRATORY ROLLER. FILL MATERIAL SHALL CONTAIN SUFFICIENT MOISTURE THAT THE REQUIRED DEGREE OF COMPACTION WITH THE EQUIPMENT USED. THE FILL MATERIAL SHALL CONTAIN SUFFICIENT MOISTURE SO THAT IF FORMED INTO A BALL IT WILL NOT CRUMBLE YET NOT BE SO WET THAT WATER CAN BE SQUEEZED OUT.

WHERE A MINIMUM REQUIRED DENSITY IS SPECIFIED, IT SHALL NOT BE LESS THAN 95% OF MAXIMUM DRY DENSITY WITH A MOISTURE CONTENT WITHIN ±2% OF THE OPTIMUM. EACH LAYER OF FILL SHALL BE COMPACTED AS NECESSARY TO OBTAIN THAT DENSITY, AND IS TO BE CERTIFIED BY THE ENGINEER AT THE TIME OF CONSTRUCTION. ALL COMPACTION IS TO BE DETERMINED BY AASHTO METHOD T-99.

ROCK RIP-RAP

ALL ROCK SHALL BE DENSE, SOUND, AND FREE FROM CRACKS, SEAMS, AND OTHER DEFECTS CONDUCIVE TO ACCELERATED WEATHERING. THE ROCK FRAGMENTS SHALL BE ANGULAR TO SUBROUNDED IN SHAPE. THE LEAST DIMENSION OF ANY INDIVIDUAL ROCK FRAGMENT SHALL BE NOT LESS THAN ONE-THIRD THE GREATEST DIMENSION OF THE FRAGMENT.

THE ROCK SHALL HAVE THE FOLLOWING PROPERTIES:

1. BULK SPECIFIC GRAVITY (SATURATED SURFACE-DRY BASIS) NOT LESS THAN 2.5.
2. ABSORPTION NOT MORE THAN THREE PERCENT.
3. SOUNDNESS: WEIGHT LOSS IN FIVE CYCLES NOT MORE THAN 20 PERCENT WHEN SODIUM SULFATE IS USED.

BULK SPECIFIC GRAVITY AND ABSORPTION SHALL BE DETERMINED ACCORDING TO ASTM C 127. THE TEST FOR SOUNDNESS SHALL BE PERFORMED ACCORDING TO ASTM C 88.

THE RIP-RAP SHALL BE PLACED TO THE REQUIRED THICKNESS IN ONE OPERATION. THE ROCK SHALL BE DELIVERED AND PLACED IN A MANNER THAT WILL INSURE THE RIP-RAP IN PLACE SHALL BE REASONABLY HOMOGENEOUS WITH THE LARGE ROCKS UNIFORMLY DISTRIBUTED AND FIRMLY IN CONTACT ONE TO ANOTHER WITH THE SMALLER ROCKS FILLING THE VOIDS BETWEEN THE LARGER ROCKS. FILTER CLOTH SHALL BE PLACED UNDER ALL RIP-RAP AND SHALL MEET THE REQUIREMENTS OF MARYLAND DEPARTMENT OF TRANSPORTATION, STATE HIGHWAY ADMINISTRATION STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, SECTION 919.12.

CARE OF WATER DURING CONSTRUCTION

ALL WORK ON PERMANENT STRUCTURES SHALL BE CARRIED OUT IN AREAS FREE FROM WATER. THE CONTRACTOR SHALL CONSTRUCT AND MAINTAIN ALL TEMPORARY DIKES, LEVEES, COFFERDAMS, DRAINAGE CHANNELS, AND STREAM DIVERSIONS NECESSARY TO PROTECT THE AREAS TO BE OCCUPIED BY THE PERMANENT WORKS. THE CONTRACTOR SHALL ALSO FURNISH, INSTALL, OPERATE AND MAINTAIN ALL NECESSARY PUMPING AND OTHER EQUIPMENT REQUIRED FOR REMOVAL OF WATER FROM THE VARIOUS PARTS OF THE WORK AND FOR MAINTAINING THE EXCAVATIONS, FOUNDATIONS, AND OTHER PARTS OF THE WORK FREE FROM WATER AS REQUIRED OR DIRECTED BY THE ENGINEER FOR CONSTRUCTING EACH PART OF THE WORK, AFTER HAVING SERVED THEIR PURPOSE, ALL TEMPORARY PROTECTIVE WORKS SHALL BE REMOVED OR LEVELED AND GRADED TO THE EXTENT REQUIRED TO PREVENT OBSTRUCTION IN ART DEGREE WHATSOEVER OF THE FLOW OF WATER TO THE SPILLWAY OR OUTLET WORKS AND SO AS NOT TO INTERFERE IN ART WAY WITH THE OPERATION OR MAINTENANCE OF THE STRUCTURE. STREAM DIVERSIONS SHALL BE MAINTAINED UNTIL THE FULL FLOW CAN BE PASSED THROUGH THE PERMANENT WORKS. THE REMOVAL OF WATER FROM THE REQUIRED EXCAVATION AND THE FOUNDATION SHALL BE ACCOMPLISHED IN A MANNER AND TO THE EXTENT THAT WILL MAINTAIN STABILITY OF THE EXCAVATED SLOPES AND BOTTOM OF REQUIRED EXCAVATIONS AND WILL ALLOW SATISFACTORY PERFORMANCE OF ALL CONSTRUCTION OPERATIONS. DURING THE PLACING AND CONPACTING OF MATERIAL IN REQUIRED EXCAVATIONS, THE WATER LEVEL AT THE LOCATIONS BEING WORKED SHALL BE KEPT BELOW THE BOTTOM OF THE EXCAVATION AT SUCH LOCATIONS WHICH MAY REQUIRE DRAINING THE WATER TO SUMPS FROM WHICH THE WATER SHALL BE PUMPED.

STABILIZATION

ALL BORROW AREAS SHALL BE GRADED TO PROVIDE PROPER DRAINAGE AND LEFT IN A SIGHTLY CONDITION. ALL EXPOSED SURFACES OF THE EMBANKMENT, SPILLWAY, SPOIL AND BORROW AREAS, AND BERMS SHALL BE STABILIZED BY SEEDING, LIMING, FERTILIZING AND MULCHING AS IN ACCORDANCE WITH THE MARYLAND SOIL CONSERVATION SERVICE STANDARDS AND SPECIFICATIONS FOR CRITICAL AREA PLANTING (MD-342) OR AS SHOWN ON THE ACCOMPANYING DRAWINGS.

EROSION & SEDIMENT CONTROL

CONSTRUCTION OPERATIONS WILL BE CARRIED OUT IN SUCH A MANNER THAT EROSION WILL BE CONTROLLED AND WATER AND AIR POLLUTION MINIMIZED. STATE AND LOCAL LAWS CONCERNING POLLUTION ABATEMENT WILL BE FOLLOWED. CONSTRUCTION PLANS SHALL DETAIL EROSION AND SEDIMENT CONTROL MEASURES TO BE EMPLOYED DURING THE CONSTRUCTION PROCESS.

STANDARD SEDIMENT CONTROL NOTES:

1. A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTIONS AND PERMITS PRIOR TO THE START OR COMPLETION OF ANY CONSTRUCTION (992-2437).
2. ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
3. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: a) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1; b) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
4. ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
5. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS (SEC. 51) SOD (SEC. 54), TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
6. ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
7. SITE ANALYSIS:

TOTAL AREA OF SITE	23 ACRES
AREA DISTURBED	23 ACRES
AREA TO BE ROOFED OR PAVED	18 ACRES
AREA TO BE VEGETATIVELY STABILIZED	1.0 ACRES
TOTAL CUT	23000 CU. YDS.
TOTAL FILL	23000 CU. YDS.
OFFSITE WASTE/BORROW AREA LOCATION	— CU. YDS.

8. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
9. ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY DPW SEDIMENT CONTROL INSPECTOR.
10. ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
11. THE CONTRACTOR SHALL INSPECT AND PROVIDE NECESSARY MAINTENANCE ON THE SEDIMENT AND EROSION CONTROL STRUCTURES SHOWN HEREON, AFTER EACH RAINFALL AND ON A DAILY BASIS.

STORM WATER MANAGEMENT POND CERTIFICATION AND APPROVAL

DEVELOPER'S CERTIFICATE

"I HEREBY CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN AS-BUILT PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION".

Ronald L. Eyre — 9-19-91

SIGNATURE OF DEVELOPER — DATE

ENGINEER'S CERTIFICATE

"I CERTIFY THAT THIS PLAN FOR POND CONSTRUCTION, EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. I HAVE NOTIFIED THE DEVELOPER THAT HE MUST PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION"

[signature] — 10/17/91

SIGNATURE OF ENGINEER — DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.

James M. Hobbs — 10/28/91

U.S. SOIL CONSERVATION SERVICE — DATE

THESE PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL ARE APPROVED FOR THE HOWARD SOIL CONSERVATION DISTRICT.

[signature] — 10/28/91

HOWARD SOIL CONSERVATION DISTRICT — DATE

POND CONSTRUCTION CERTIFICATION

I CERTIFY THAT UPON COMPLETION OF CONSTRUCTION I WILL BE RESPONSIBLE FOR THE OPERATION AND MAINTENANCE (O&M) OF THE SMALL POND. O&M WILL BE PERFORMED BY ME IN ACCORDANCE WITH THE SPECIFICATIONS ON THIS PLAN. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS OF THE POND BY SITE AND LOCAL AGENCIES.

Ronald L. Eyre — 9-19-91

SIGNATURE OF DEVELOPER — DATE

FISHER, COLLINS & CARTER, INC.

CIVIL ENGINEERS & LAND SURVEYORS

SUITE 100, 9171 BALTIMORE NATIONAL PIKE

ELLICOTT CITY, MARYLAND 21043

(301) 461-2855

ENGINEER'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

[signature] — 10/17/91

SIGNATURE OF ENGINEER — DATE

DEVELOPER'S CERTIFICATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT I ALSO AUTHORIZE PERIODIC ONSITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."

Ronald L. Eyre — 9-19-91

SIGNATURE OF DEVELOPER — DATE

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

James M. Hobbs — 10/28/91

U.S. SOIL CONSERVATION SERVICE — DATE

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

APPROVED:

[signature] — 10/28/91

DISTRICT — DATE

HOWARD SOIL CONSERVATION DISTRICT

APPROVED: DEPT. OF PLANNING AND ZONING

[signature] — 1/31/92

PLANNING DIRECTOR — DATE

[signature] — 1/31/92

CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT — DATE

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PRIVATE WATER AND SEWERAGE SYSTEMS

[signature] — 1-23-92

HEALTH OFFICER — DATE

APPROVED: DEPARTMENT OF PUBLIC WORKS. FOR PRIVATE WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.

[signature] — 10/30/91

DIRECTOR, PUBLIC WORKS — DATE

[signature] — 1/24/92

CHIEF, BUREAU OF ENGINEERING — DATE

PROPERTY/SUBDIVISION					SECTION/AREA	PARCEL
INWOOD VILLAGE CENTER					—	A
PLAT NO.	BLOCK NO.	ZONE	TAX/ZONE	ELEC. DIST.	CENSUS TR.	
9906	11	B-1	14	4	6040	
WATER CODE	—			SEWER CODE	—	

NOTES AND DETAILS

INWOOD VILLAGE CENTER

RETAIL STORES

FOURTH ELECTION DISTICT

HOWARD COUNTY MARYLAND

TAX MAP 14 BLOCK 11 PARCEL A

DATE: OCTOBER 17, 1991

SHEET 6 OF 7

SDP 91-60

H2